

RANCANG BANGUN *SYSTEM INVENTORY MANAGEMENT* DENGAN PENDEKATAN *ENTERPRISE RESOURCE PLANNING SYSTEM*

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ABSTRAK

PT. Andesta Mandiri Indonesia (PT. AMI) adalah salah satu perusahaan *outsourcing* yang bergerak di bidang penyalur tenaga kerja. Dalam proses pengelolaan, permintaan dan stok barang sudah terkomputerisasi, tetapi hanya sebatas menggunakan Microsoft Excel. Masalah yang sering dialami yaitu, proses permintaan material dalam satu kali pemesanan mencapai 1.186 jumlah material dari 66 jenis material, dimana proses pemesanan masih berupa informasi yang di salurkan melalui komunikasi dari *client* ke perusahaan dan proses peng-*input*-an barang masih berjalan secara manual. Perancangan *system inventory management* dengan pendekatan *enterprise resource planning system* merupakan solusi untuk mengatasi masalah yang dihadapi pada PT. AMI. Dengan menggunakan modul *inventory management* untuk pengelolaan data barang dan *order management* sebagai modul pemesanan barang. Perancangan sistem ini menggunakan metode *waterfall* dan PIECES sebagai metode analisa sistem yang sedang berjalan. Dari penelitian disimpulkan bahwa *system inventory management* dan *order management* dapat meningkatkan proses kinerja perusahaan pada PT. AMI.

Kata Kunci: *enterprise resource plannig, inventory management, order management, outsourcing*

MANAGEMENT INVENTORY SYSTEM USING ENTERPRICE RESOURCE PLANNING SYSTEM

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ABSTRACT

PT. Andesta Mandiri Indonesia (PT. AMI) is a moving outsourcing company in the field of labor distribution. In the process of managing, the demand and stock of goods already computerized, but only limited to using Microsoft Excel. Problems that are often experienced that is, the process of requesting material in one order reaches 1,186 total material from 66 types of material, where the order process is still in the form of information channeled through communication from the client to the company and the input process is still running manually. Designing an inventory management system with an enterprise resource planning system approach is a solution to overcome the problems faced at PT. AMI. By using inventory management module for item data management and order management as medul ordering goods. The design of this system uses the waterfall method and PIECES as a system analysis method that is running. From the research concluded that the system Inventory management and order management can improve the company's performance process PT. AMI.

Keywords: *enterprise resource planning, inventory management, order management, outsourcing*